Internal Application No

Date of mailing of the international search report

Kollmannsberger, M

31/05/2005

Authorized officer

INTERNATIONAL SEARCH REPORT PCT/US2005/000020 A. CLASSIFICATION OF SUBJECT MATTER
1PC 7 C07D295/08 C07D311/78 C07D221/18 A61K31/4453 C07D335/04 A61P15/12 A61K31/4523 A61K31/55 According to International Palent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) $IPC\ 7\ C07D\ A61K\ A61P$ Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, CHEM ABS Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages 1,18,29 WO 2004/009086 A (ELI LILLY AND COMPANY P,X DALLY, ROBERT, DEAN; DODGE, JEFFREY, ALAN; FRAN) 29 January 2004 (2004-01-29) page 9; compound IX page 51 preparation 17 EP 0 826 679 A (ELI LILLY AND COMPANY) 1-36 X 4 March 1998 (1998-03-04) claims 1,12 1-36 EP 0 761 669 A (ELI LILLY AND COMPANY) X 12 March 1997 (1997-03-12) claim 1 page 1, line 8 - line 13 example 15 Patent family members are listed in annex. Further documents are listed in the continuation of box C. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family

Form PCT/ISA/210 (second sheet) (January 2004)

18 May 2005

Name and mailing address of the ISA

Date of the actual completion of the international search

European Palent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV RISWIJK Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax. (+31-70) 340-3016

Inte-ional Application No PCT/US2005/000020

C (Continue	tion) DOCUMENTS CONSIDERED TO BE RELEVANT	2005/000020
Category •	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 895 989 A (ELI LILLY AND COMPANY) 10 February 1999 (1999-02-10) claim 1 page 2, paragraph 9	1-36
Y	US 5 567 712 A (PALKOWITZ ET AL) 22 October 1996 (1996-10-22) column 1, paragraph 1 examples 4,5	1-36
Υ	EP 0 835 868 A (ELI LILLY AND COMPANY) 15 April 1998 (1998-04-15) page 5, line 37 claim 1	1-36
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INTERNATIONAL SEARCH REPORT

Box II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This inte	rnational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
	Although claim 15 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.	Claims Nos.: because they relate to parts of the international Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
з. 🗌	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Int	emational Searching Authority found multiple inventions in this international application, as follows:
1.	As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.
2. [As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
з	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
	The additional search fees were accompanied by the applicant's protest.
Rema	No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (2)) (January 2004)

Information on patent family members

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Form PCT/ISA/210 (patent family annex) (January 2004)

Original (for SUBMISSION)

VIII-3-2	Declaration: Entitlement to claim priority Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application specified below, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules	in relation to this international application
	4.17(iii) and 51bis.1(a)(iii)) Name	ELI LILLY AND COMPANY
		is entitled to claim priority of earlier application No. 60/538,442 by virtue of the following:
VIII-3-2(i v)		an assignment from DALLY, Robert, Dean to ELI LILLY AND COMPANY, dated 23 April 2004 (23.04.2004)
VIII-3-2(i v)		an assignment from FRANK, Scott, Alan to ELI LILLY AND COMPANY, dated 23 April 2004 (23.04.2004)
VIII-3-2(i v)	,	an assignment from WALLACE, Owen, Brendan to ELI LILLY AND COMPANY, dated 23 April 2004 (23.04.2004)
VIII-3-2(I v)		an assignment from HINKLIN, Ronald, Jay to ARRAY BIOPHARMA, INC., dated 22 June 2004 (22.06.2004)
VIII-3-2(v)		an assignment from ARRAY BIOPHARMA, INC. to ELI LILLY AND COMPANY, dated 25 June 2004 (25.06.2004)
VIII-3-2(x)	This declaration is made for the purposes of:	AP: (BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW); EA: (AM AZ BY KG KZ MD RU TJ TM); EP: (AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO SE SI SK TR); OA: (BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG); AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH&LI CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

PCT REQUEST

Original (for SUBMISSION)

	Declaration: Entitlement to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a	in relation to this international application
	patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate: Name (LAST, First)	
	Name (LAS), Filst)	ELI LILLY AND COMPANY is entitled to apply for and be granted a patent by virtue of the following:
VIII-2-1(i i)		ELI LILLY AND COMPANY is entitled as employer of the inventor, DALLY, Robert, Dean
VIII-2-1(i i)		ELI LILLY AND COMPANY is entitled as employer of the inventor, DODGE, Jeffrey, Alan
VIII-2-1(i i)		ELI LILLY AND COMPANY is entitled as employer of the inventor, FRANK, Scott, Alan
VIII-2-1(i i)		ELI LILLY AND COMPANY is entitled as employer of the inventor, SHEPHERD, Timothy, Alan
VIII-2-1(i i)		ELI LILLY AND COMPANY is entitled as employer of the inventor, WALLACE, Owen, Brendan
	This declaration is made for the purposes of:	all designations except the designation of the United States of America

PCT REQUEST

Original (for SUBMISSION)

VIII-3-1	Declaration: Entitlement to claim	·
· ·	priority Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application specified below, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bls.1(a)(iii))	in relation to this international application
	Name	ELI LILLY AND COMPANY
		is entitled to claim priority of earlier application No. 60/538,342 by virtue of the following:
VIII-3-1(i v)		an assignment from DALLY, Robert, Dean to ELI LILLY AND COMPANY, dated 23 April 2004 (23.04.2004)
VIII-3-1(i v)		an assignment from DODGE, Jeffrey, Alan to ELI LILLY AND COMPANY, dated 22 April 2004 (22.04.2004)
VIII-3-1(i ∨)		an assignment from SHEPHERD, Timothy, Alan to ELI LILLY AND COMPANY, dated 23 April 2004 (23.04.2004)
VIII-3-1(i v)		an assignment from WALLACE, Owen, Brendan to ELI LILLY AND COMPANY, dated 23 April 2004 (23.04.2004)
VIII-3-1(i x)	This declaration is made for the purposes of:	AP: (BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW); EA: (AM AZ BY KG KZ MD RU TJ
	·	TM); EP: (AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT
		RO SE SI SK TR); OA: (BF BJ CF CG CI CM
		GA GN GQ GW ML MR NE SN TD TG); AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA
		CHALL CN CO CR CU CZ DE DK DM DZ EC EE
		EG ES FI GB GD GE GH GM HR HU ID IL IN
		IS JP KE KG KP KR KZ LC LK LR LS LT LU
		LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL
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